

FIG. 1

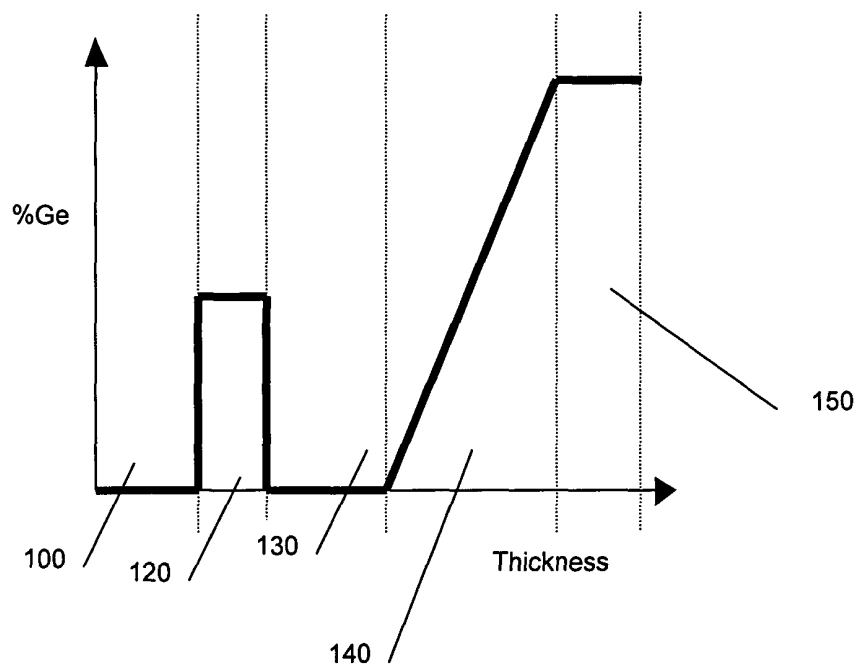


FIG. 2

| | Qualitative Evaluation of Dislocation Pile-Up Density | | | |
|-------------|--|---------------------------------------|------------------------------------|------------------------------------|
| % Ge | $H^* = 0.6 T_{crit}$ | $H = 1.25 T_{crit}$ | $H = 2 T_{crit}$ | $H = 5 T_{crit}$ |
| 5 | High | Medium | Low | Low |
| 10 | High | Medium | Medium | Low |
| 15 | High | Medium | Medium | Low |

* Thickness (H) of the Seed Layer Relative to Its Critical Thickness (T_{crit}).

FIG. 3

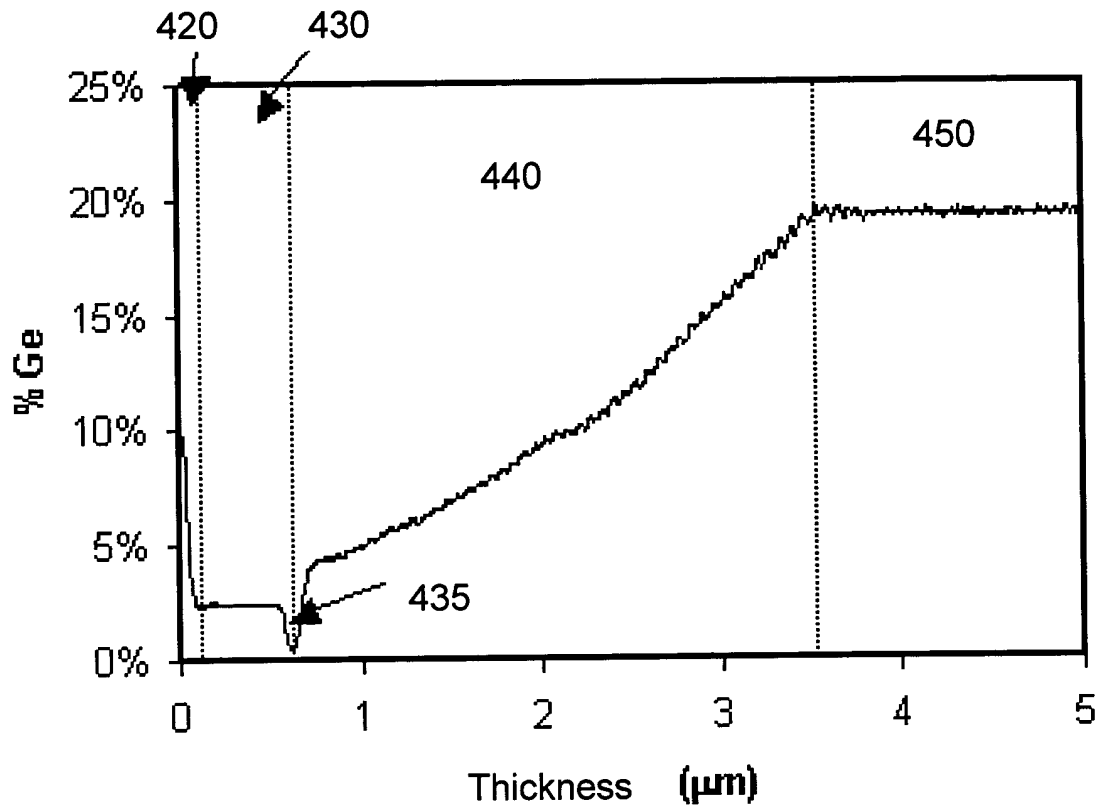


FIG. 4

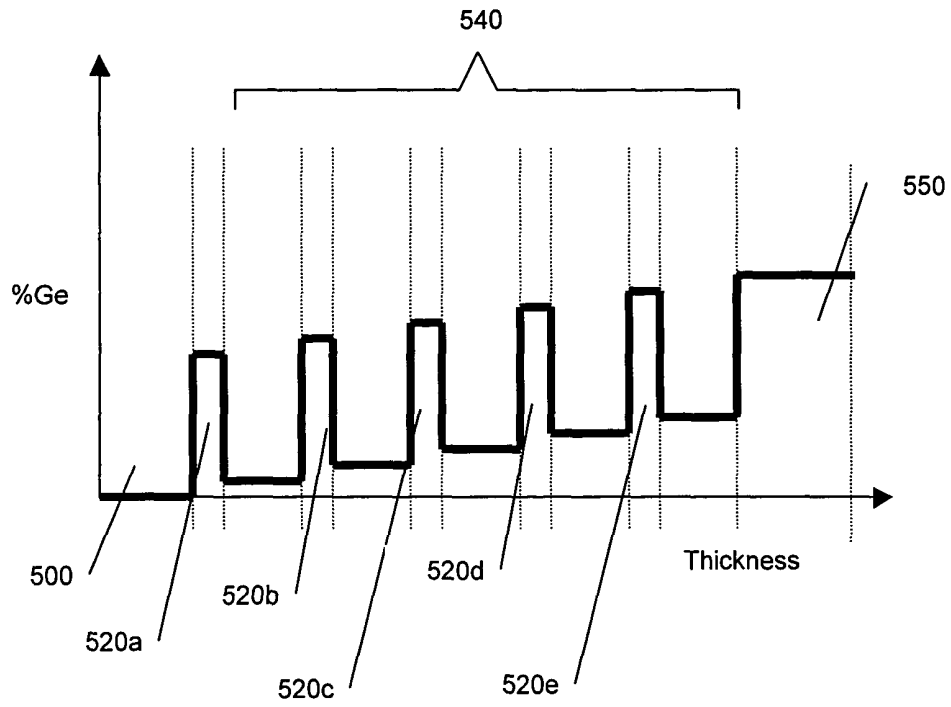


FIG. 5

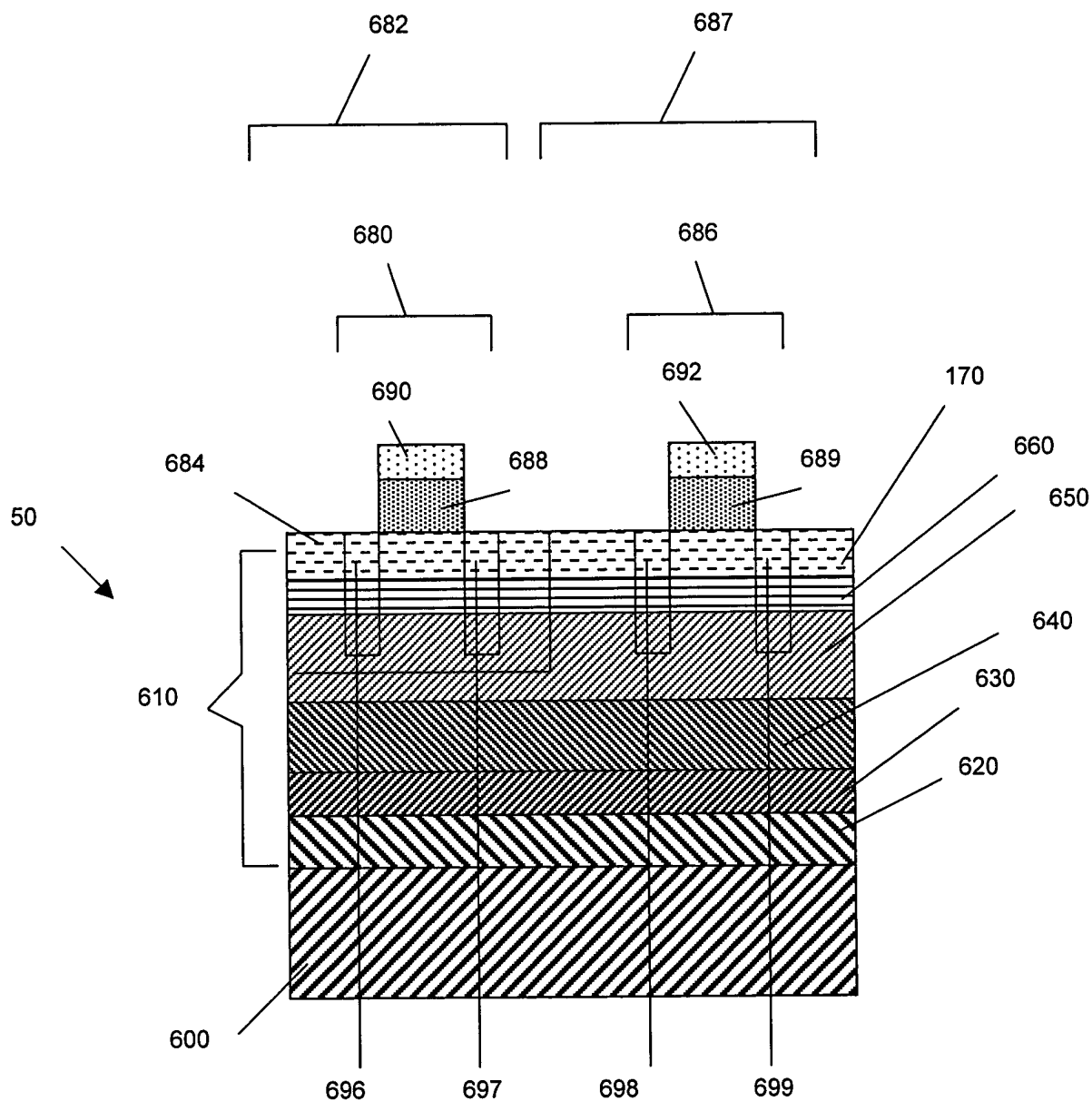


FIG. 6